

MINNESOTA STATE CAPITOL



DUNN safety®

In pursuit of **building perfection®**

JEDUNN®



Safety at the Capitol

Our safety program exceeds all applicable provisions of federal, state and municipal safety and health laws and building codes. Should any of these requirements conflict, JE Dunn follows the more stringent regulations in our overall effort to provide an Injury Free Environment.

At the Capitol we have three main focus areas.

- Workers
- Occupants
- General Public



Safety for Construction Workers

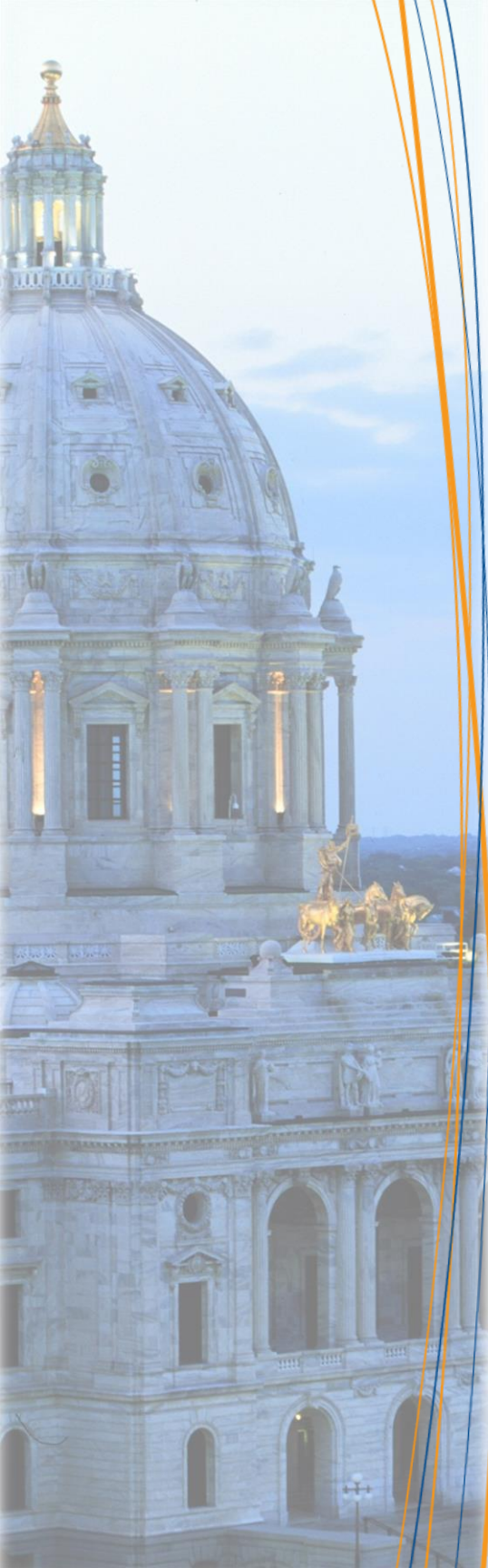
Safety Training Safe work practices and procedures apply to all employees on site regardless of the nature of their duties. JE Dunn and subcontractor foremen will hold weekly “Toolbox” safety meetings to encourage employee interest in safety, and give specific safety instructions relative to existing or expected hazards to be encountered during the different phases of construction. These procedures are re-emphasized in day-to-day contact with employees.

Safety Inspections Site safety inspections are performed by our management team. Project managers make periodic inspections and jobsite supervisors perform daily inspections for their respective projects. Safety Specialists perform one formal safety audit each week for every project under construction.

Construction Site Safety Meetings The Superintendent will also hold Supervisory Safety Meetings weekly. These are often part of the Superintendent’s regularly scheduled Foremen’s meetings. They review accidents (if any), discuss deficiencies noted during safety audits and discuss Job Safety Analysis (JSA) for major scopes of work.

Accident Reporting & Investigation All accidents, regardless of how minor, must be reported and an accident report filed. Reporting procedures are designed to record all details of the accident and prepare an accident report. This allows us to implement follow-up measures to minimize the probability of recurrence.

Project Safety Orientation All on-site employees are required to attend site-specific safety orientation. The intent of this orientation is to instill safety values and to communicate the importance of safety on the jobsite. Safety policies and general safety rules are presented at the safety orientation as well as site-specific safety rules and hazards that may pertain to their job assignment.



JE Dunn's Injury Free Workplace Efforts are broken down into two basic elements: Leading and Lagging Indicators of Success. Leading Indicators include our ongoing effort to implement:

- Owner's Recommended Minimum EHS Training Requirements
- General Worksite Orientation & New Contractor Orientation (NCO)
- OSHA 30 and CPR – First Aid training for all supervisors
- OSHA 10 for all workers
- Demolition and Commissioning Training
- Site Specific Health and Safety Plans, Site Incident Prevention and Pre-Task Safety Planning (SSHSP / SIPP / PTSP)
- Mandatory weekly safety meetings between every contractor and their employees to review SSHSP / SIPP and PTSP.

NOTICE

JE DUNN WORKING IN SHAFT

Tom Madison 612-290-7998

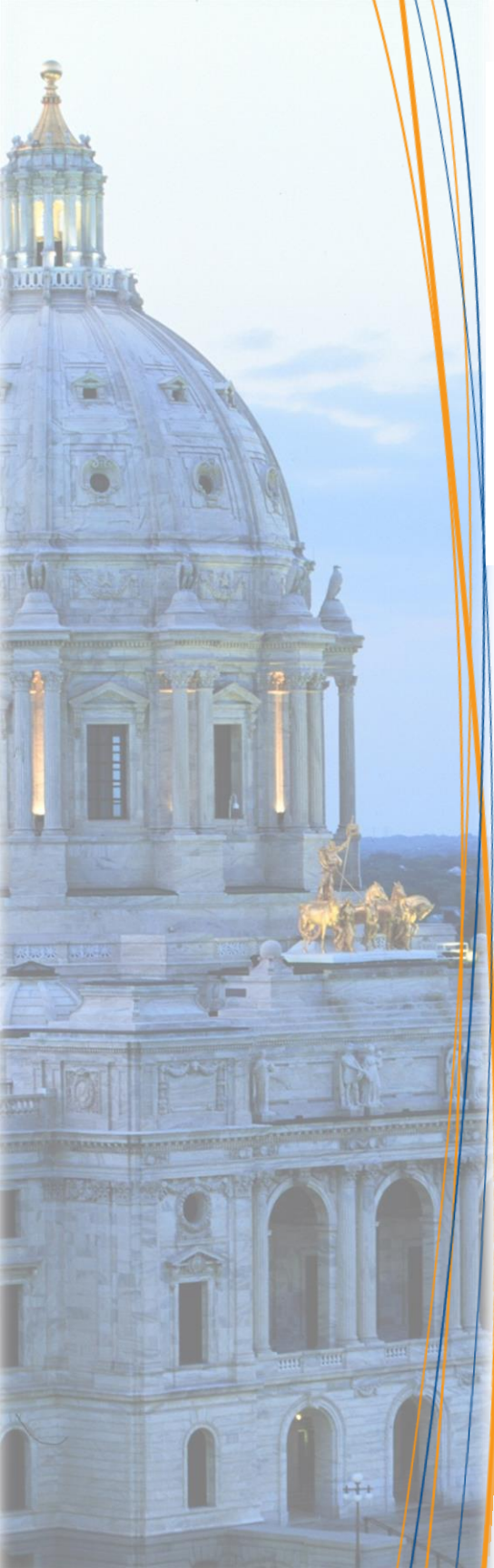
CONTACT: Travis Timm 612-618-1759

Jeff Combes 785-925-1489

JE Dunn Construction

In pursuit of **building perfection®**

JEDUNN®



SIMS Observation Report

Page: 1/8
Date: 07/26/2014
Time: 8:30 AM

Job: 20, 13063900, MN State Capitol Interior Renovation
Observation: SAF-0032 - Safety
Region: JE Dunn Midwest Region
Observation Date: 07/25/2014
Reviewed By:
Inspected By: Charles Krusac

General Notes:	Pending Work Recommendations:
Only a few issues noted this past week. Overall another good week for safety at the State Capitol Interior project.	

Action Item Summary					The Following Observation Categories were Reviewed during the Observation
Observation Category	Action Items	Low	Medium	High	
PPE-Subpart E	1	1			Administration
Electrical - Subpart K	1	1			Site/Public Protection
Stairways and Ladders - Subpart X	1	1			Motor Vehicle Equipment - Subpart O
Total	3	3			Demolition - Subpart T
					PPE-Subpart E
					Electrical - Subpart K
					Hand and Power Tools - Subpart I
					Fire Protection - Subpart F
					Fall Protection - Subpart M
					Stairways and Ladders - Subpart X
					Housekeeping
					Project Emergency Action Plan

Action Item Details

OBSERVATION CATEGORY:PPE-Subpart E					
CATEGORY:Hearing Protection > Hearing protection worn for exposure					
Action Item Category: Event - 869613 : Hearing protection worn for exposure	Contractor: HARRIS CONTRACTING COMPANY DBA HARRIS COMPANIES	Severity: Low	Corrected: YES	Due:	Complete: 07/24/2014
Reviews/Recommendations:	07/24/2014 Charles Krusac - Harris employee in loud demo area. He should have been using hearing protection this close to activities and noise but was not.				
Actions Taken:	07/24/2014 Charles Krusac - Discussed PPE issues with him. He left area since he did not have hearing protection with him.				

SIMS Observation Report Report Created on 07/26/2014 8:31 AM
CHUCKR - /reports/sims_observation_report/show_pdf/2199403/2/NONE

Page 1 of 8

performed overhead, fall hazards, electrical shock exposures, etc.



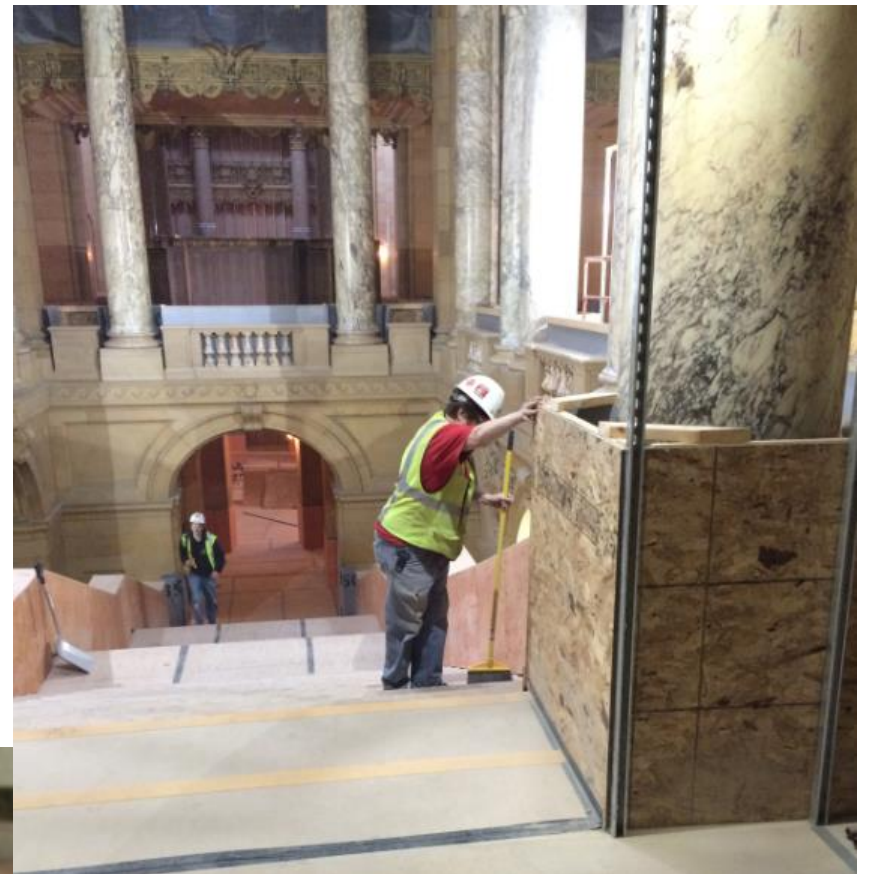
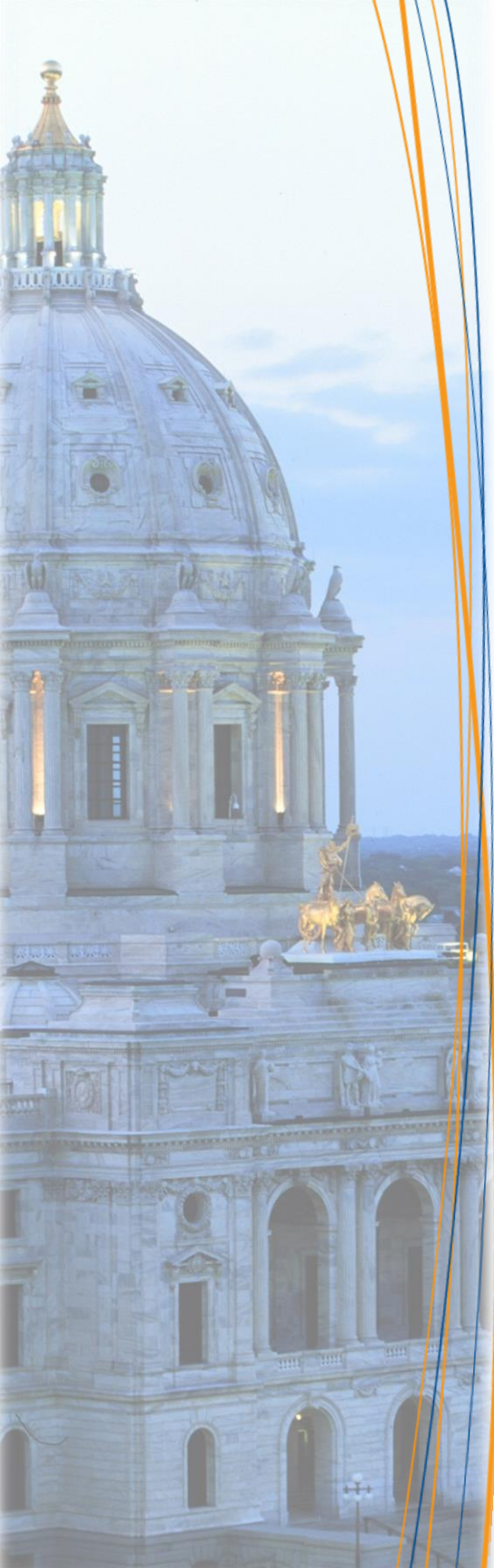
General Safety for Occupants & Public

- Fire and life-safety systems are fully operational in occupied areas. Fire extinguishers are located throughout construction zones.
- Public areas are kept clean and free of hazards.
- Lighting and emergency lighting is maintained in all areas.
- Physical barriers between occupied areas and construction.
- Entrances are clearly marked and protected.
- ADA accommodations

A vertical image on the left side of the slide showing the dome of the St. Paul State Capitol building. The dome is white with a gold-colored top. The building's facade is visible below the dome, featuring arched windows and classical architectural details. The image is partially obscured by a blue and orange curved graphic element.

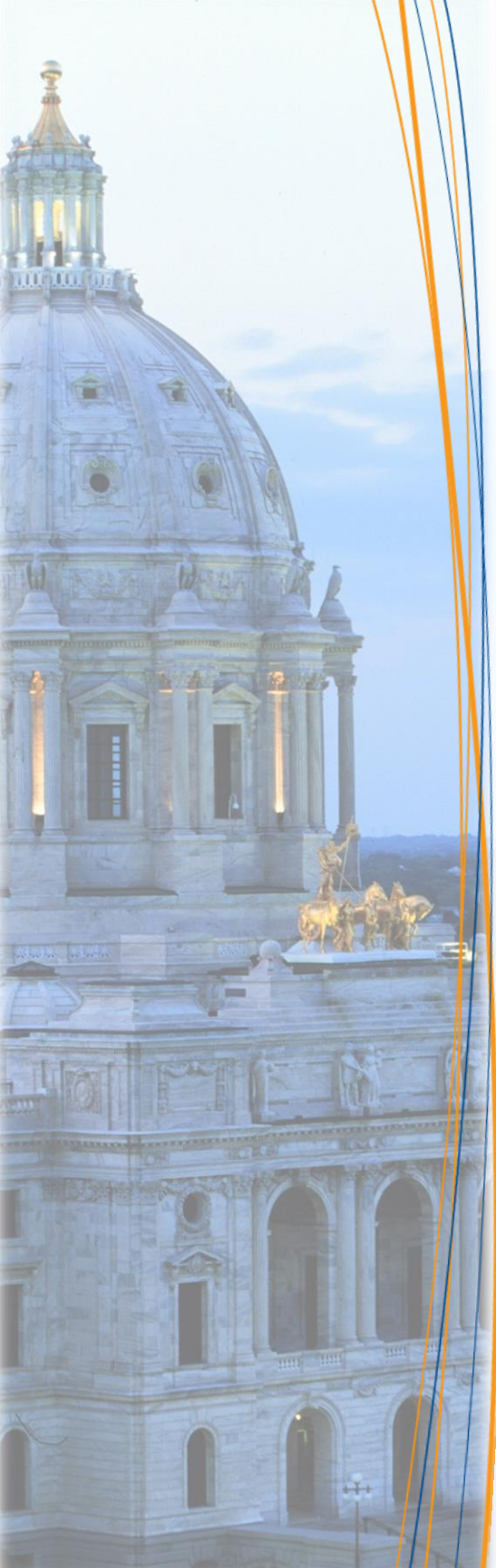
General Safety for Occupants & Public

- Dusty activities utilize additional enclosures and filtered air machines to help control dust.
- Governing authorities have been involved in all fire life-safety planning and have approved all temporary measures.
- Every firefighter of the St. Paul station that would respond to the capitol has visited the capitol and reviewed construction conditions with JED.



In pursuit of **building perfection®**

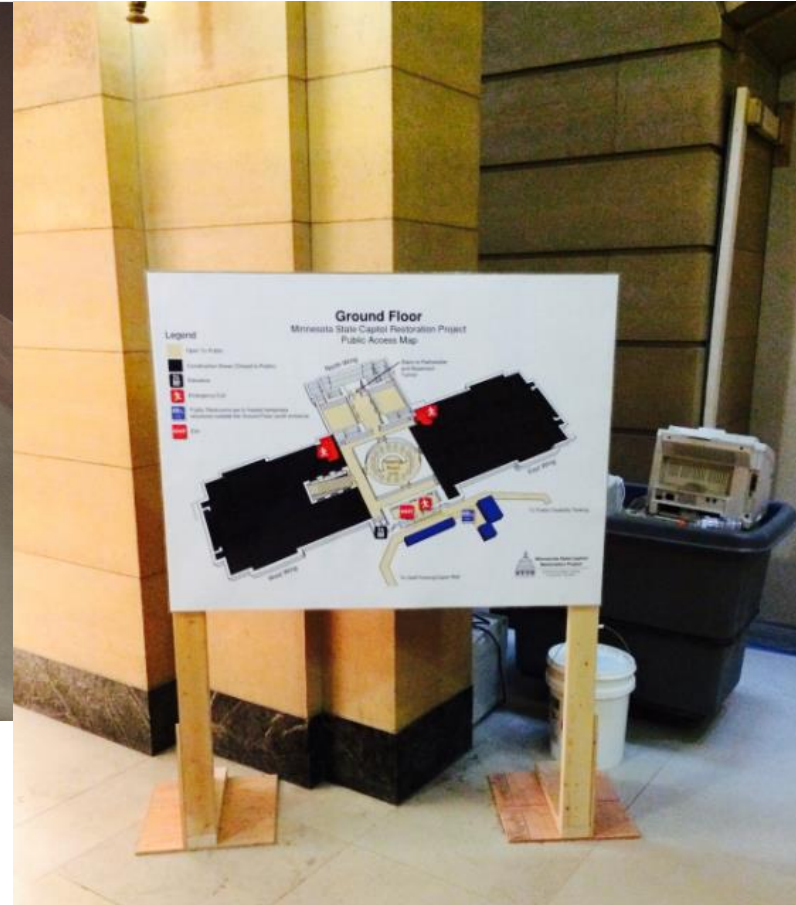
JEDUNN®



In pursuit of **building perfection**®

JEDUNN®

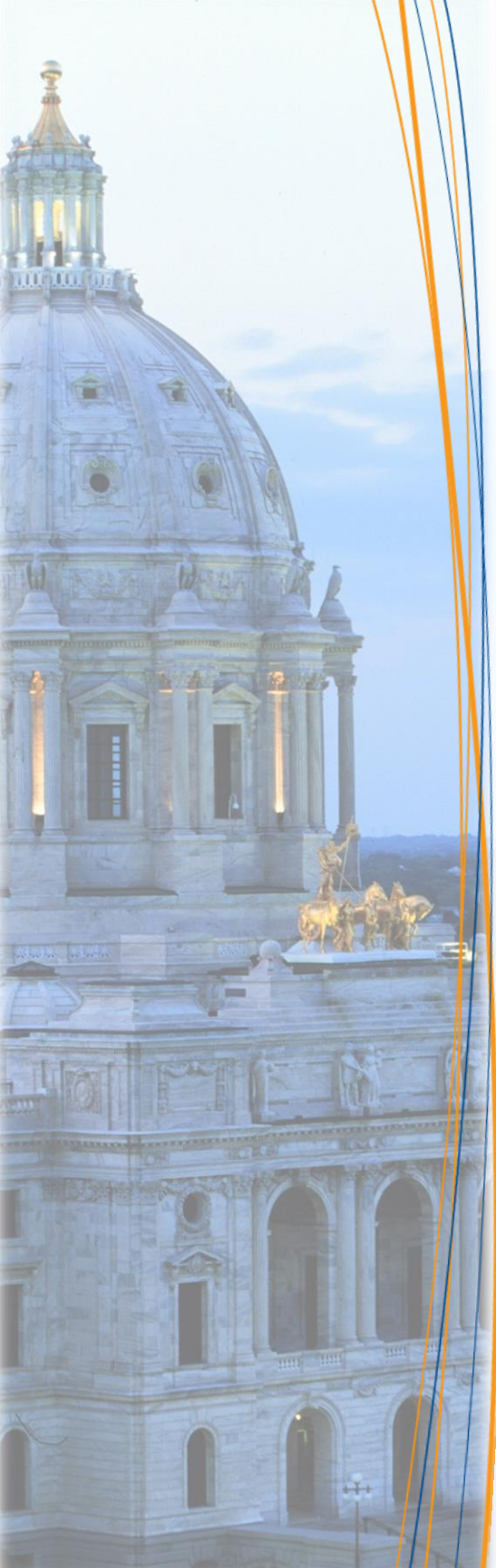
Safety for Occupants & Public



- Separation from construction
- Clear exiting
- Emergency lighting
- Environmental Monitoring
- JED Smart Box Technology

In pursuit of **building perfection**®

JEDUNN®

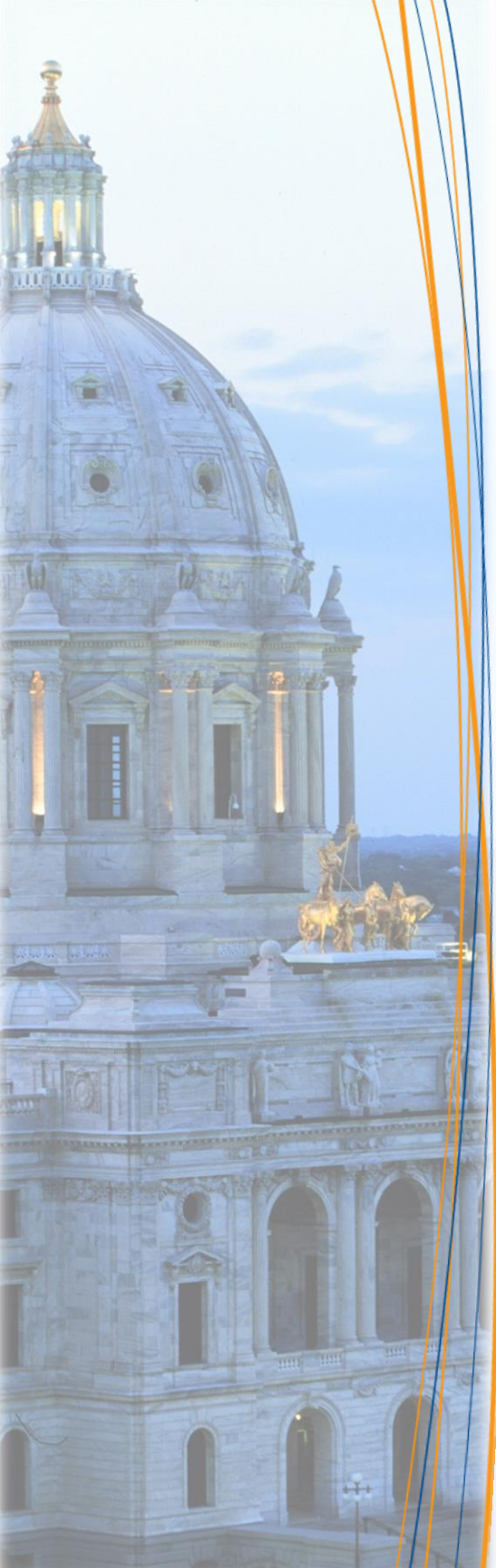


- Worker vacuums exterior scaffolding in an effort to control dust.

- Pathways are clearly marked
- Fire life safety systems are fully operational.
- Temporary separation from construction
- Neat and clean pathways
- Back up temporary emergency systems

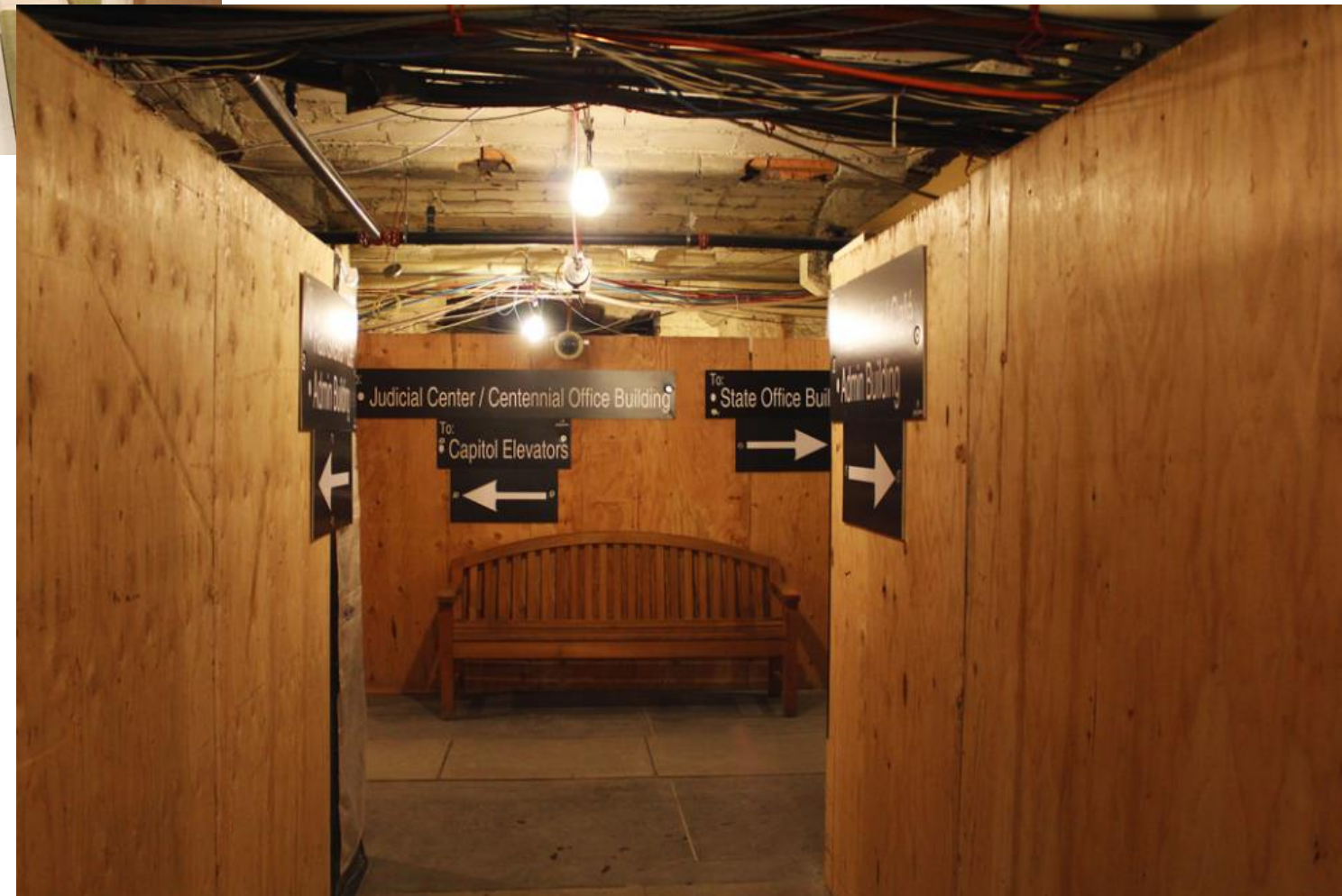


In pursuit of **building perfection**®



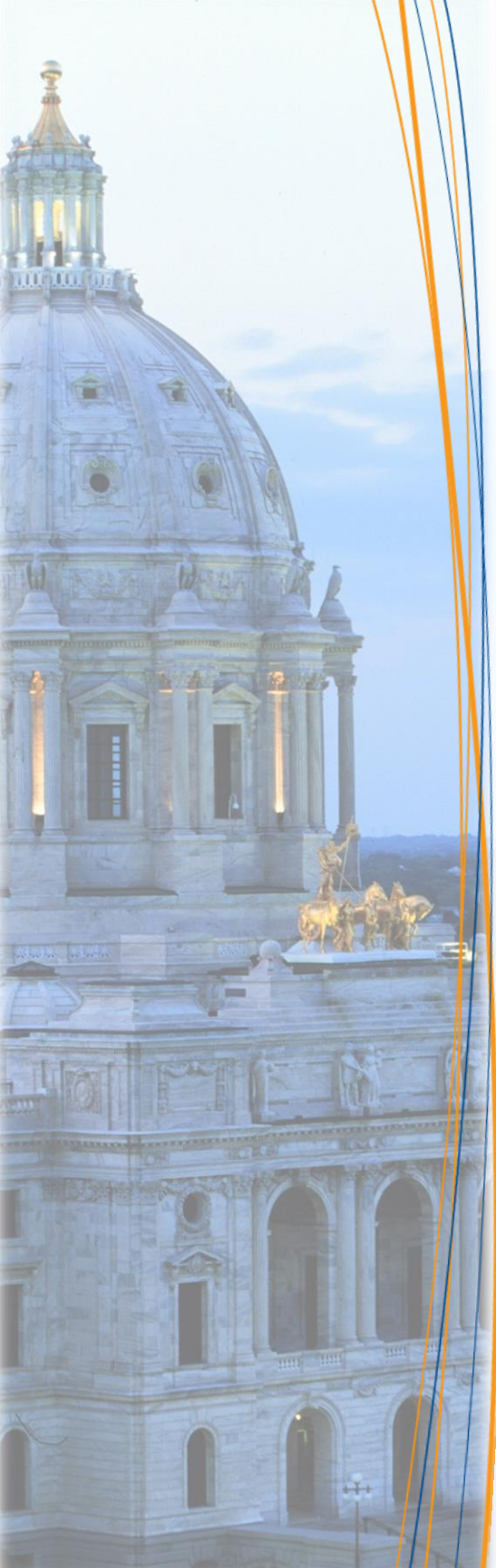
Separation between occupants and construction

Clear direction for pedestrian pathways



In pursuit of **building perfection**®



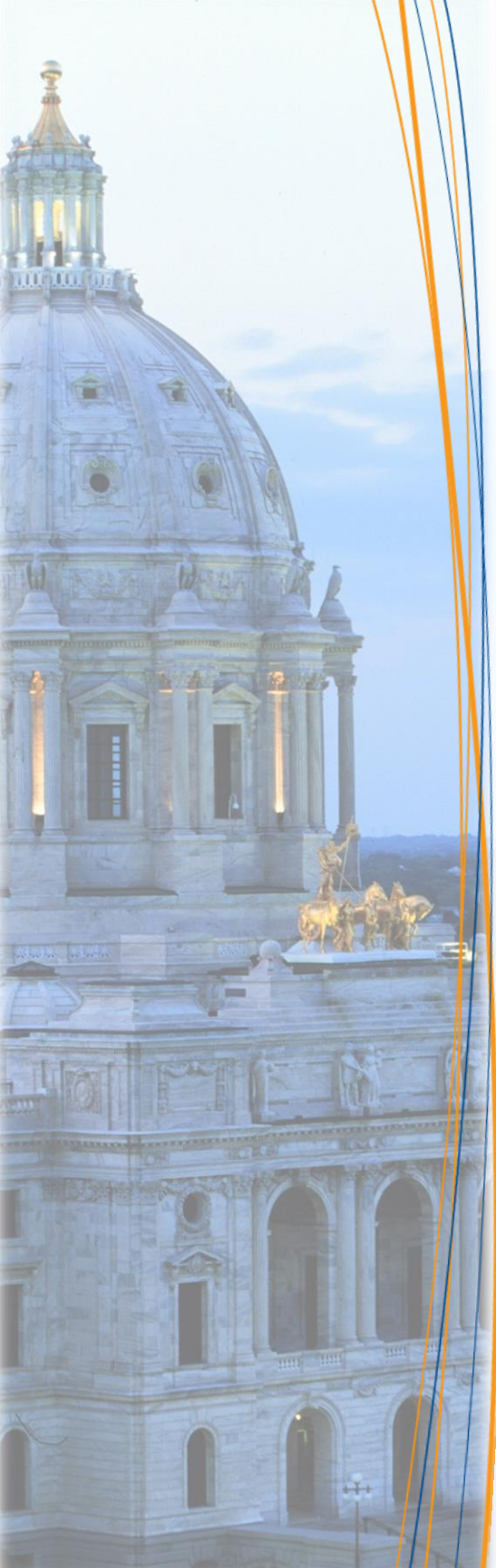


Engineering Controls / Constantly being adjusted to accommodate the evolving construction.

- Air intakes are covered from the parking lot side to reduce exhaust intake.
- Stack on a temporary generator is extended to raise exhaust fumes above air intake levels.

In pursuit of **building perfection®**



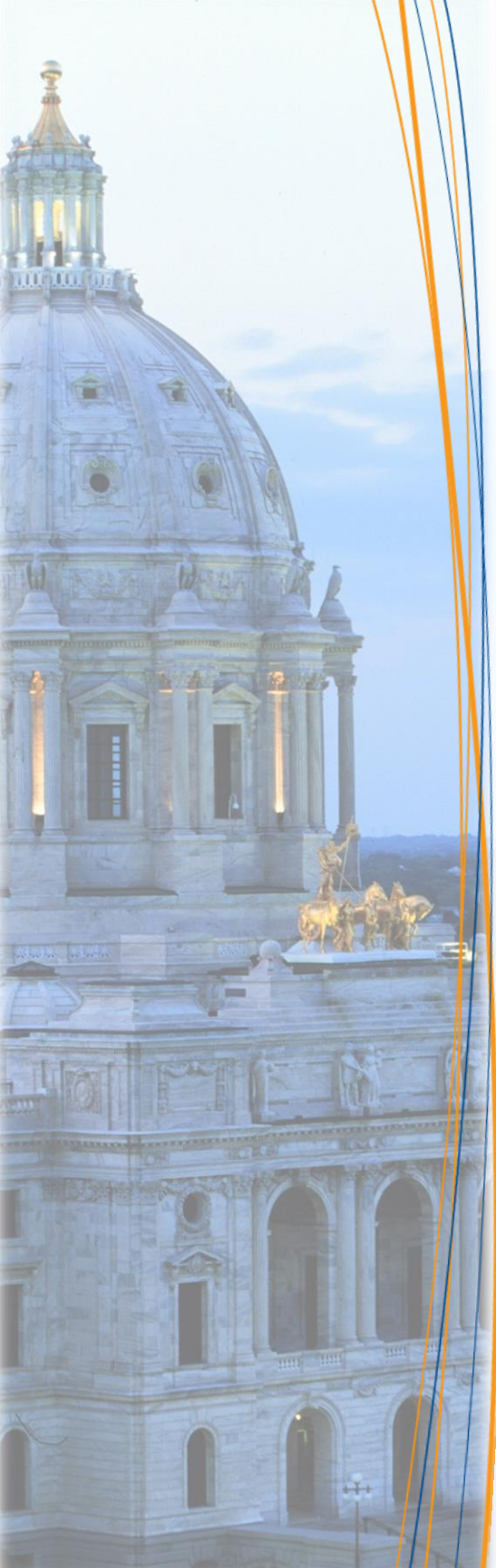


JE Dunn Smart Box Technology – Monitoring

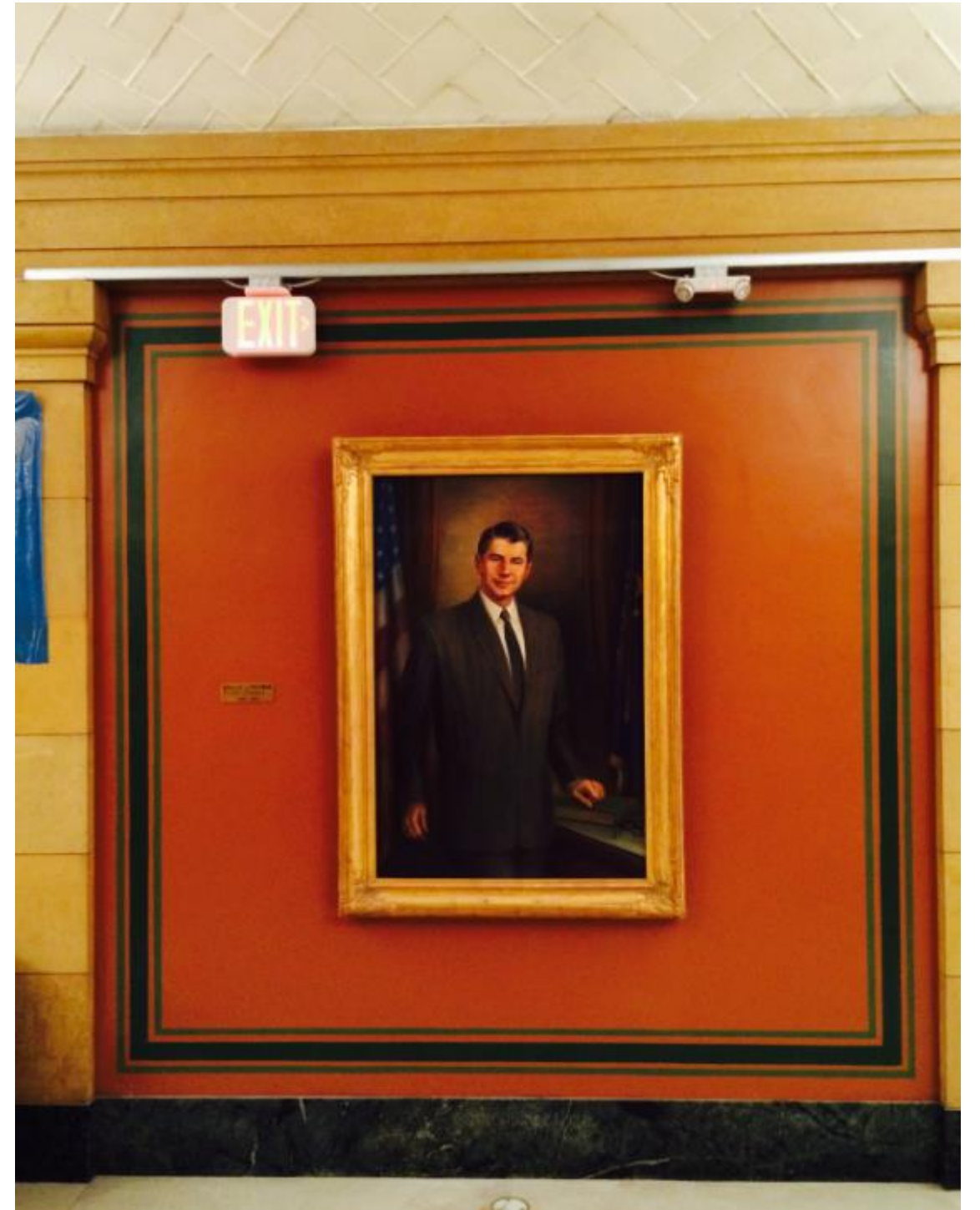
- Sound levels
- Temperature
- Humidity
- Vibration
- Air particulate count

Levels are set to alarm at points below OSHA standards.

The construction team is alerted instantly if any element reaches preset thresholds.



In pursuit of **building perfection®**



JEDUNN®

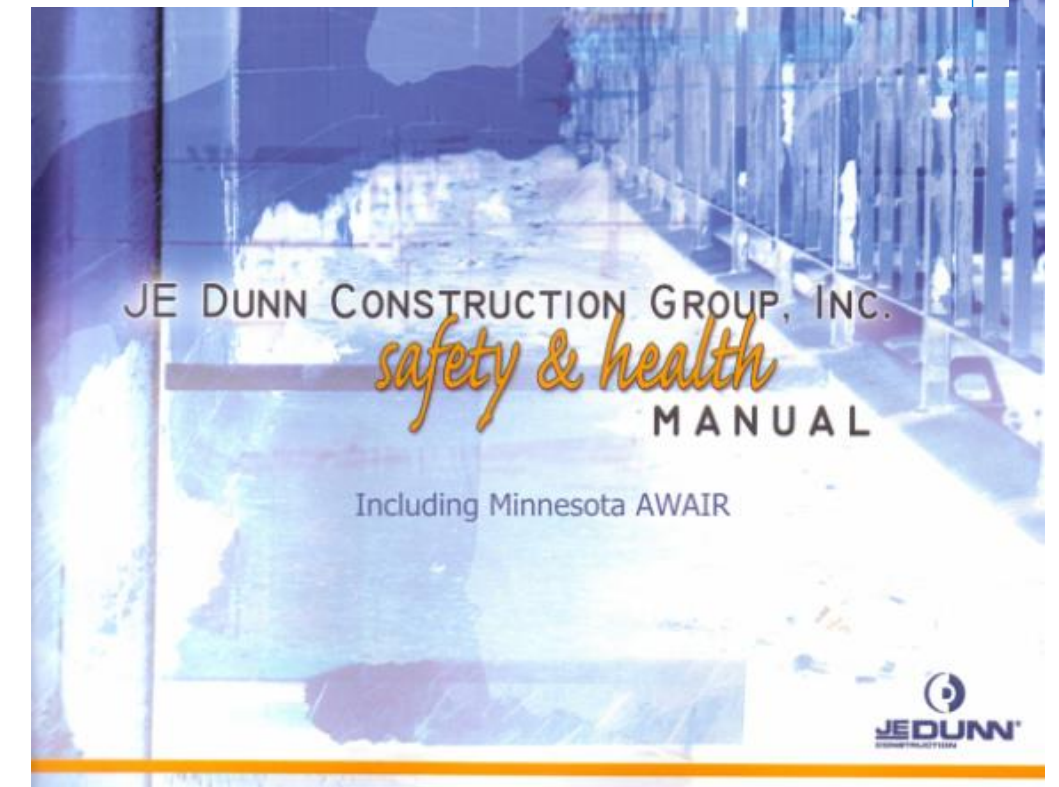
Safety for the general public



OSHA SAFETY INSPECTION REPORT

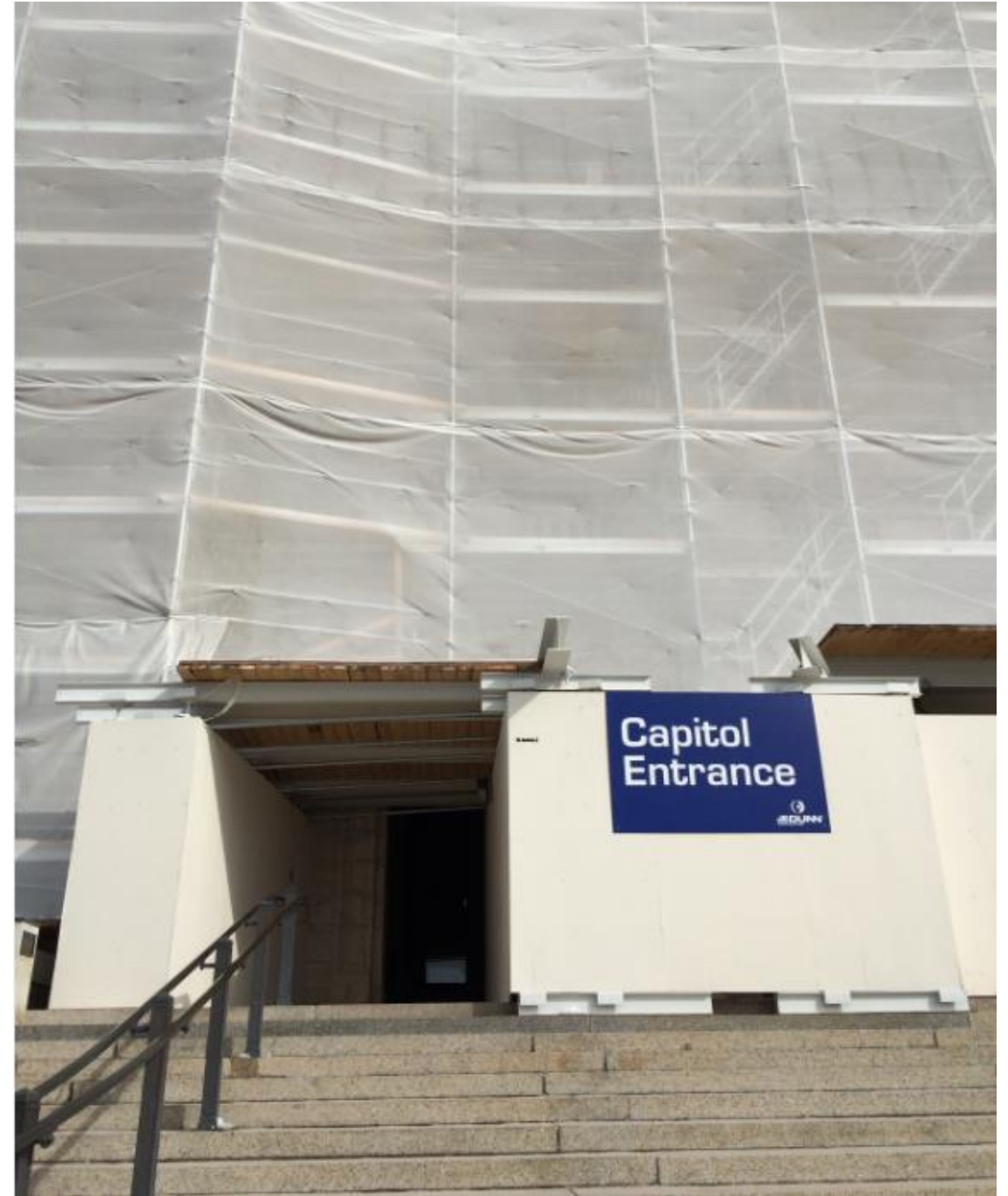
PROJECT NAME Minnesota State Capitol Interior Date of Inspection March 19th 2014
PROJECT JOB # 13063902

A. PRE-INSPECTION



In pursuit of **building perfection®**

JEDUNN®

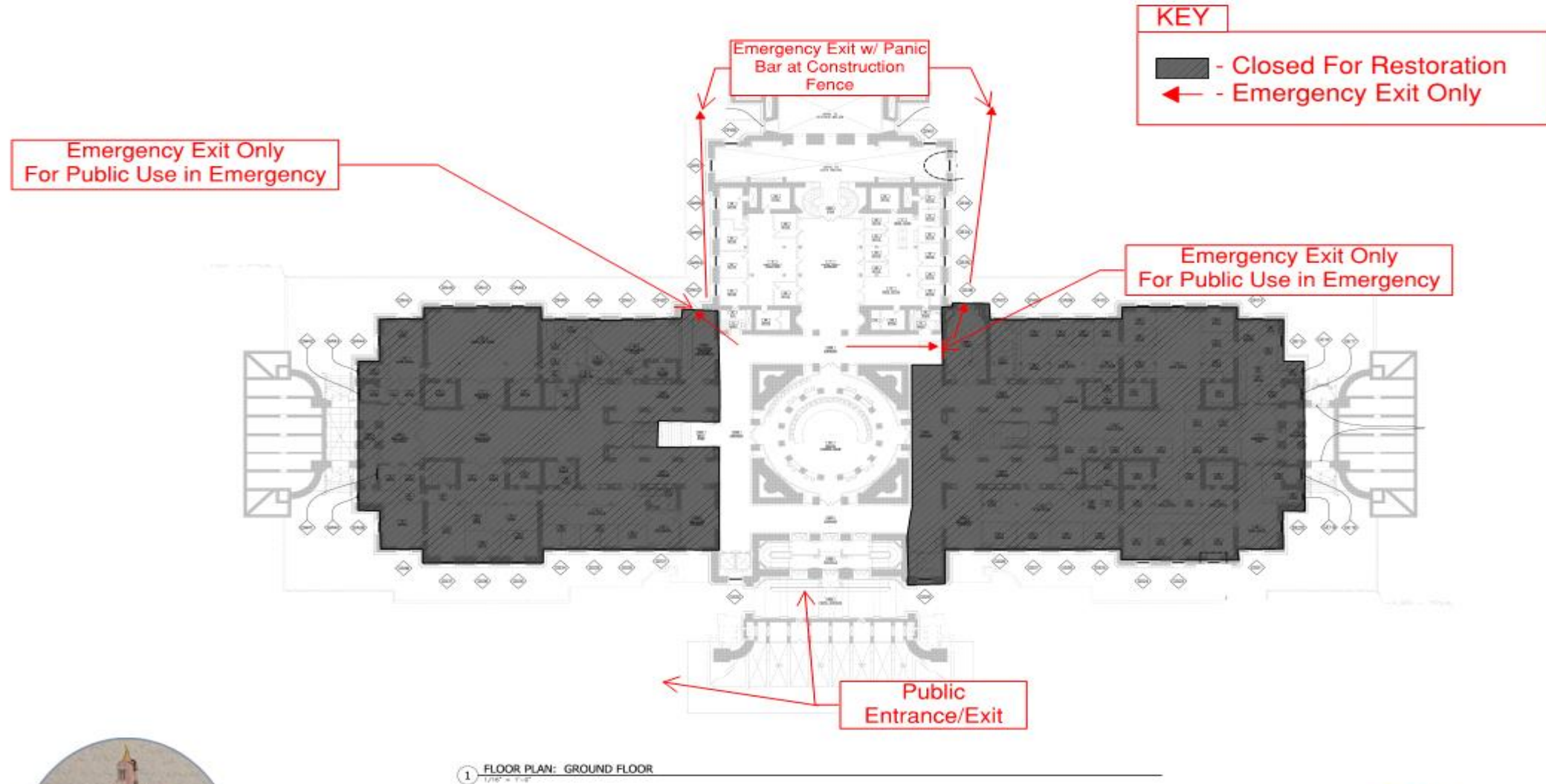


In pursuit of **building perfection®**

JEDUNN®



GROUND FLOOR ACCESS PLAN



Detailed fire life safety plans are developed by JED / HGA, then reviewed in detail and approved by authorities prior to being implemented.



In pursuit of **building perfection®**

JEDUNN®

Public Safety During Construction



Minnesota State Capitol Restoration Project

Architectural Integrity. Building
Functionality. Life Safety.

The Capitol is an active construction site. Your safety is our number one priority. We have incorporated the highest level of safety measures into every procedure.

Protecting the Public

- Fire and life-safety systems are operational in occupied areas. Fire extinguishers are located throughout construction areas.
- All areas used by the public and construction workers will be kept clean and free of hazards at all times.
- Lighting will be maintained in all public areas.
- Physical walls and other barriers are in place to protect and separate the public from construction zones.
- Construction entrances have doors that are clearly marked with signs to prevent accidental entrance by unauthorized individuals and the general public.
- Reasonable ADA accommodations will be maintained.

Environmental Monitoring

- During dust-creating activities, work areas use sealed enclosures and high-efficiency particulate air (HEPA) filtration machines to minimize dust migration into public areas.
- Wireless environmental monitoring equipment has been installed to monitor air quality, temperature, humidity, sound levels, and vibration, with preset thresholds throughout the building. The construction team is instantly alerted if any element reaches its threshold.

Meeting Safety Standards

- Governing authorities have reviewed and approved all temporary life-safety measures and exit pathways for each phase of construction.
- The St. Paul Fire Department periodically reviews the project site (both public areas and construction zones) to help identify any potential public safety concerns.
- OSHA periodically performs inspections of the jobsite. No safety violations have been found.
- There have been no lost-time injuries on the Minnesota State Capitol Restoration Project going back to 2010, when the exterior project started.
- J.E. Dunn has an onsite safety officer.
- Each subcontractor employs a safety director that participates in site inspections and offers findings and feedback.
- All construction workers are required to attend jobsite orientation prior to starting work at the Capitol. Jobsite orientation focuses on safety issues related to working in an occupied historic landmark building. Weekly safety meetings further emphasize worker and public safety.
- JE Dunn has a zero-tolerance harassment and misconduct policy.
- Workers and the public are encouraged to act upon and/or report any safety issues they may see.



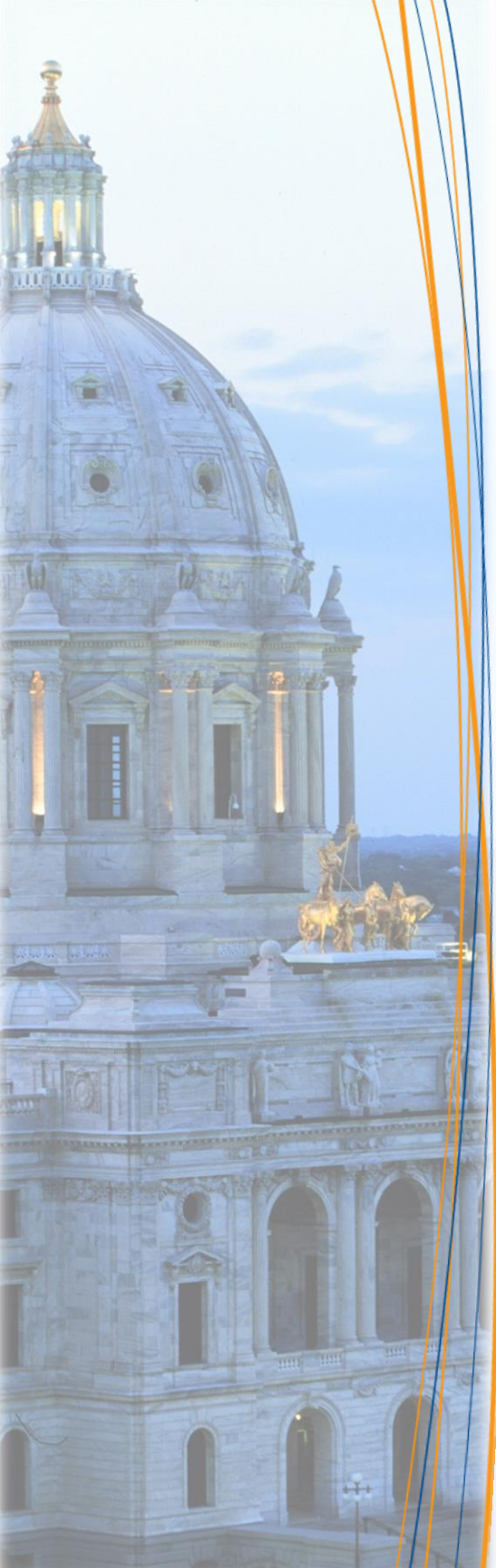
To report a safety issue, contact JE Dunn Safety Director
Chuck Krusac at 651-600-2551





Air Monitoring

- Air Monitoring completed to date
- Results from completed air monitoring
- Air Monitoring process going forward



Questions?



In pursuit of **building perfection**®

JEDUNN®